Refine Search

Search Results -

Terms	Documents
L2 same controller	36

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
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Search: L3

Refine Search

Recall Text | Clear | Interrupt

Search History

DATE: Monday, August 22, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC; PLUR=YES; OP=OR			
L3	L2 same controller	36	L3
L2	L1 same (chip or IC)	75	L2
L1	(memory adj1 (card or board)) same (interfac$3 near5 (USB or "universal serial bus"))	879	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L3	0

Database:
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Search: L4

Refine Search

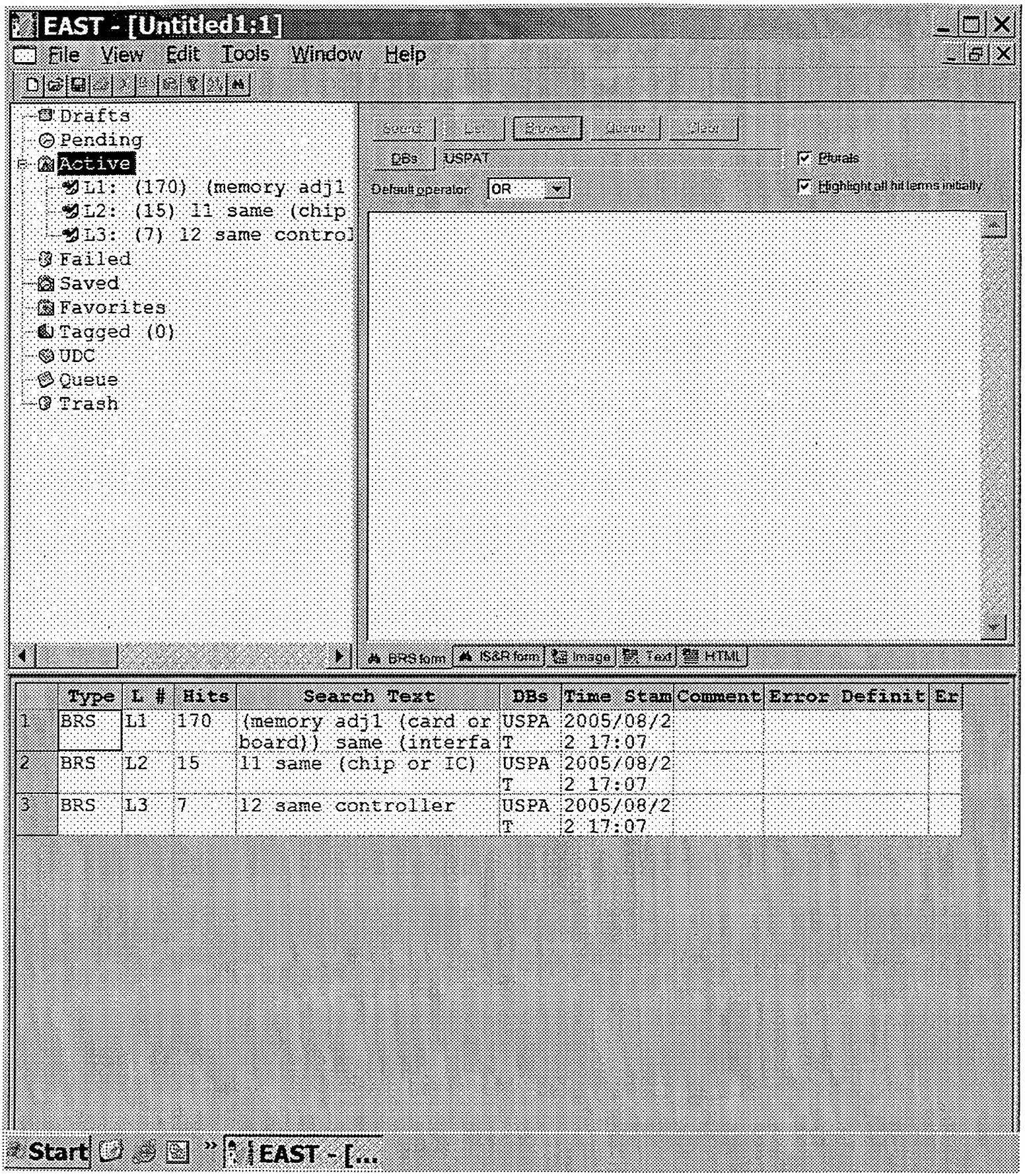
Recall Text Clear Interrupt

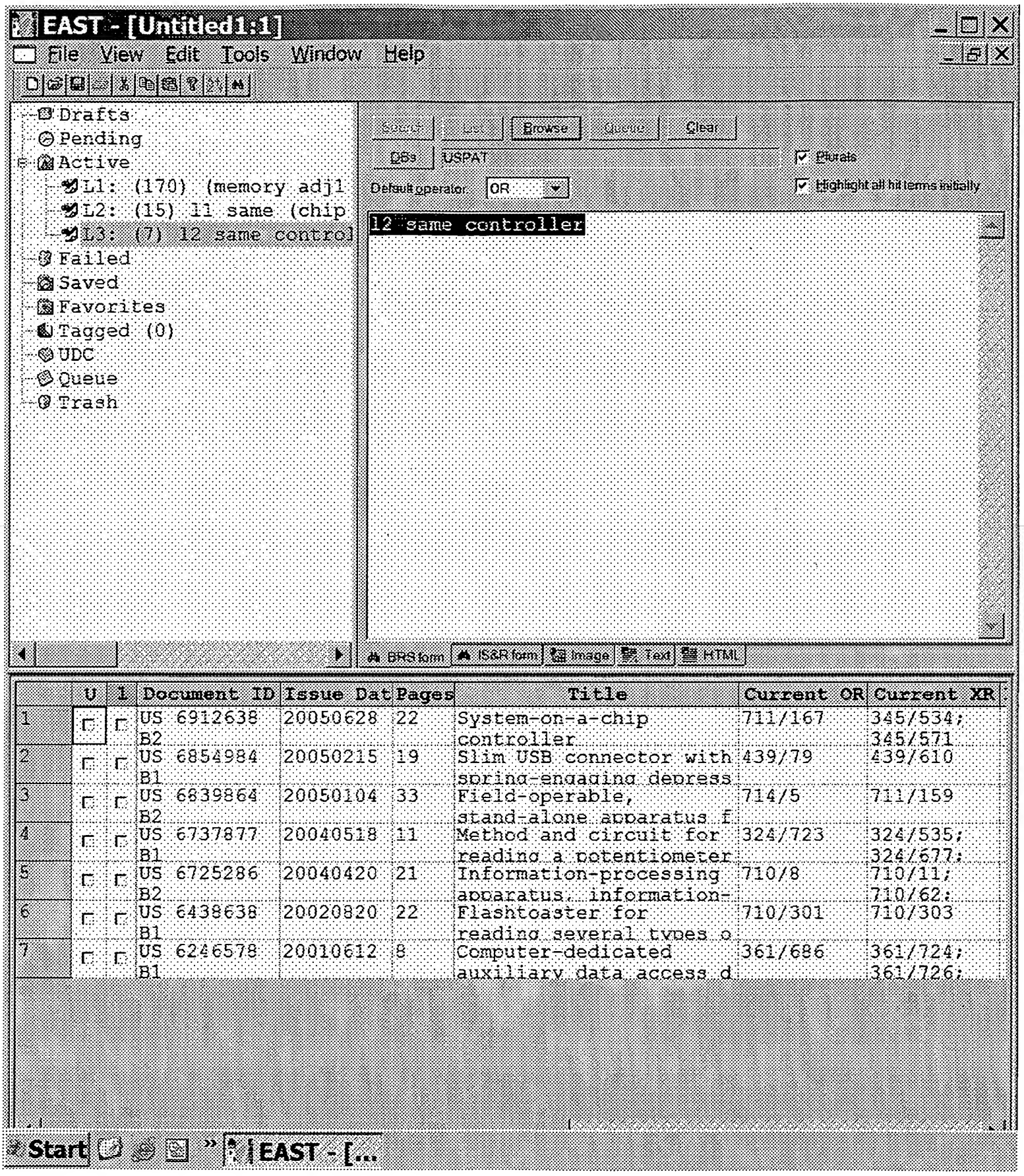
Search History

DATE: Monday, August 22, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L4	L3	0	L4
DB=PGPB,USPT,USOC; PLUR=YES; OP=OR			
L3	L2 same controller	36	L3
L2	L1 same (chip or IC)	75	L2
L1	(memory adj1 (card or board)) same (interfac$3 near5 (USB or "universal serial bus"))	879	L1

END OF SEARCH HISTORY


EAST - [Untitled1:1]
File View Edit Tools Window Help
Drafts
Pending
Active
L1: (170) (memory adj1
L2: (15) 11 same (chip
L3: (7) 12 same contro
Failed
Saved
Favorites
Tagged (0)
UDC
Queue
Trash
Search
Edit
Browse
Queue
Clear
DBs
USPAT
Plurals
Default operator:
OR
Highlight all hit terms initially
BRS form
IS&R form
Image
Text
HTML
Type L # Hits Search Text DBs Time Stam Comment Error Definit Er
1 BRS L1 170 (memory adj1 (card or board)) same (interfa USPA T 2005/08/2 2 17:07
2 BRS L2 15 11 same (chip or IC) USPA T 2005/08/2 2 17:07
3 BRS L3 7 12 same controller USPA T 2005/08/2 2 17:07
Start
EAST - [...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File View Edit Tools Window Help
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Search
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Clear
DBs
USPAT
Plurals
Default operator:
OR
Highlight all hit terms initially
l2 same controller
BRS form
IS&R form
Image
Text
HTML
U
I
Document ID
Issue Dat
Pages
Title
Current OR
Current XR
1 US 6912638 B2 20050628 22 System-on-a-chip controller 711/167 345/534; 345/571
2 US 6854984 B1 20050215 19 Slim USB connector with spring-engaging depress 439/79 439/610
3 US 6839864 B2 20050104 33 Field-operable, stand-alone apparatus f 714/5 711/159
4 US 6737877 B1 20040518 11 Method and circuit for reading a potentiometer 324/723 324/535; 324/677;
5 US 6725286 B2 20040420 21 Information-processing apparatus, information- 710/8 710/11; 710/62;
6 US 6438638 B1 20020820 22 Flashtoaster for reading several types o 710/301 710/303
7 US 6246578 B1 20010612 8 Computer-dedicated auxiliary data access d 361/686 361/724; 361/726;
Start
EAST - [...

Results for "(memory <in>metadata) <and> (card<in>metadata) <and> (chip<in>met..."

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Your search matched 2 of 1227909 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

» Search Options

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New Search

Modify Search

(memory <in>metadata) <and> (card<in>metadata) <and> (chip<in>metadata) ar

Check to search only within this results set

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IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

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1. **The performance improvement of a photo card reader by the use of a high-integration chip solution with double FIFO buffers**
Ying-Wen Bai; Chang-Chih Liu;
Consumer Electronics, IEEE Transactions on
Volume 51, Issue 2, May 2005 Page(s):329 - 334
Digital Object Identifier 10.1109/TCE.2005.1467967
AbstractPlus | Full Text: PDF(655 KB) IEEE JNL

2. **Memory on the move**
Sherwin, R.M.;
Spectrum, IEEE
Volume 38, Issue 5, May 2001 Page(s):55 - 59
Digital Object Identifier 10.1109/6.920032
AbstractPlus | Full Text: PDF(264 KB) IEEE JNL

The performance improvement of a photo card reader by the use of a high-integration chip solution with double FIFO buffers

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Abstract
The insufficient bandwidth of SDRAM access has created a bottleneck in the performance of displaying and processing when used in previous design of the photo **card** reader. In this paper, we propose three ways to overcome this drawback. First, we double the clock rate of the SDRAM operation to increase the amount of the **memory** bandwidth. Second, we use a dual port design of the SDRAM with a double buffer for the strip module to increase the usage efficiency of the bandwidth. Third, we also use a double buffer for the mem/spl l.bar/ctrl module to increase the usage efficiency of the bandwidth. Using the extra gate counts of double FIFO buffers results in an increase of 3.3% from the previous system. Our new design has an improvement in the processing speed of about 4.4 times for displaying photos.

Index Terms
Inspec
Controlled Indexing
SRAM chips buffer storage digital photography memory cards smart cards

Non-controlled Indexing
SDRAM clock rate double FIFO buffer dual port design high-integration chip solution photo card reader
Author Keywords
Not Available

References

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